

## Claims:

1. A relief cylinder structure (1) for guiding a roll in a multnip calender, said relief cylinder structure comprising at least:  
5       - a frame (2):  
      - an arm (3) that is arranged to move linearly in relation to the frame,  
      - a quick-opening cylinder (6) and  
      - a hydraulic coupling (5,8),  
10       **characterized** in that the quick-opening cylinder (6) is placed inside the arm (3).
2. The relief cylinder structure (1) according to claim 1, **characterized** in that the relief cylinder structure (1) also comprises  
15       at least an auxiliary piston (7) that is arranged to move linearly in the quick-opening cylinder (6), in parallel to the arm (3) and the frame (2).
3. The relief cylinder structure (1) according to claim 1, **characterized** in that the volume of the quick-opening cylinder (6) is  
20       at its largest when the total length of the relief cylinder structure (1) is at its longest.
4. The relief cylinder structure (1) according to claim 1, **characterized** in that the volume of the quick-opening cylinder (6) is  
25       at its smallest when the total length of the relief cylinder structure (1) is at its shortest.
5. The relief cylinder structure (1) according to claim 1, **characterized** in that the first hydraulic coupling (5) is placed  
30       substantially at the end of the frame (2), and the second hydraulic coupling (8) is placed substantially at the end of the arm (3).
6. An arm (3) used in a relief cylinder structure (1), **characterized** in that the arm (3) comprises at least a quick-opening  
35       cylinder (6) placed therein.

7. The arm (3) according to claim 6, used in a relief cylinder structure (1), **characterized** in that the arm (3) also comprises at least
- 5       - an auxiliary piston (7) that is arranged to move in the quick-opening cylinder, and
- a hydraulic coupling (8) placed substantially at the end of the arm (3).
- 10   8. The arm according to claim 7, used in a relief cylinder structure (1), **characterized** in that the auxiliary piston (7) is arranged to move linearly in the quick-opening cylinder (6), in parallel to the arm (3) and the frame (2).